

Abstract

A light and small-sized gear type multi-stage automatic transmission capable of eliminating the power loss in comparison with a current automatic transmission and usable also for a large-sized vehicle by diversifying gears, wherein backward position, and a neutral position and several gear blocks for changing the shift between HIGH and LOW are combined to operate the transmission with the microcomputer operation. Since the gear for changing the shift between HIGH and LOW can provide the number of speed change by the number of grade of the number of the gears to be combined, the gear for changing the shift between HIGH and LOW can improve the fuel consumption and can cope with an engine brake by utilizing the combination of an electronic parking brake with the selection of the gear. In addition, since the same gear block is used, the manufacturing cost is remarkably reduced.